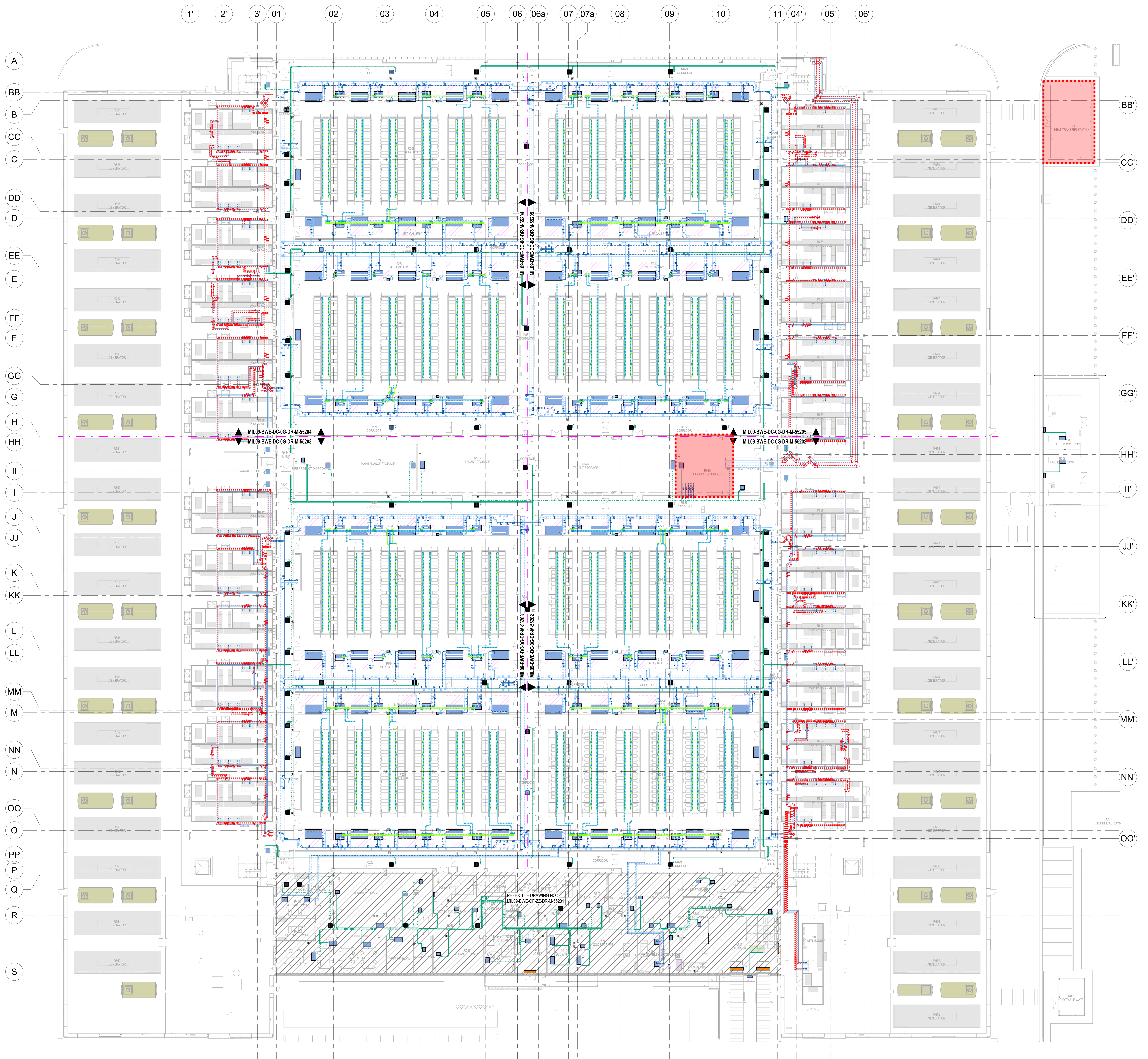
A0 - Do not scale



General Notes

1. This drawing has been checked in accordance with Black & White Engineering (B&W) QA checking procedures.
2. Do not scale from this drawing. All dimensions indicated are in millimeters unless otherwise stated. Validate all measurements on site.
3. All plant and equipment dimensions are typical. The Contractor should show actual, approved plant and equipment sizes.
4. This drawing is to be read in conjunction with all relevant B&W MEP specifications, schedules and standard key to symbols sheet.
5. Any discrepancies between the drawings and other documents should be brought to the attention of the engineer.
6. This drawing is not an installation drawing. It is the Contractors responsibility to make final coordinated installation shop drawings.
7. Final ceiling coordination subject to interior design package.
8. Contractor to coordinate final distribution routes with available sleeves and openings in beams / structure.
9. The contents of this drawing shall be read in conjunction with the current revisions of other relevant Architectural, Structural, Mechanical and Electrical drawings and all relevant sections of the specifications.

2500 0 2500 5000 7500 10000
SCALE: 1:250

Key Plan

PART 3 PART 4 PART 2 PART 1 OFFICE BY OTHERS

Legends:

CHW F	Chilled Water Flow	
CHW R	Chilled Water Return	
TW F	Technology Water Flow	
TW R	Technology Water Return	
	Trace Heated Pipework	
PT	Refrigerant Pipework Tray	
FC	Fan Coil Unit	
TH	Tubular Heater	
EAC	Electric Air Curtain	
	Ventilation Plant	
VRF	Variable Refrigerant Condenser Unit	
BC	Variable Refrigerant Branch Controller	
FC	Cassette Type Fan Coil Unit	
	Access Zone	
R XX	Riser Reference	
	Flow Arrow	
T	Thermostat	

Mechanical Equipment Asset Nomenclature:

ZZZZZ-XXXX-YYY

- Sequential Number (Starting from 001)
- Equipment Reference: i.e. ACU, GEN, SEF, VIU
- Site Code: i.e. MIL09

Pipework Tray Nomenclature:

High Level
Low Level

	①	②	③	④
High Level	100x100	PT	Pipework Tray	FB/TA

1. **Pipework Tray Size (mm)** Width x Height
2. **Pipework Type** PT - Pipework Tray
3. **System** Refrigerant Pipework Tray
4. **Abbreviations/Annotations**

Abbreviation / Annotations:

CHWF = Chilled Water Flow
CHWR = Chilled Water Return
TWF = Technology Water Flow
TWR = Technology Water Return
FA = Drop from Above
FB = Rise from Below
FA/TB = From Above to Below
FB/TA = From Below to Above
TA = Rise to Above
TB = Drop to Below

Notes

1. Refer to Client "Asset Naming Convention" document for full details of "Asset Type" abbreviations.
2. Drain trays along with the glycol sensor shall be provided for CDU and chillers.
3. Blanking panels between the chillers to be considered.

Firmato digitalmente da:
ROBERTO CEREDA
Data: 30/03/2026 10:51:33

Rev	Details	By / Chkd / App	Date
P04	STAGE 4 - 100% ISSUE	EA / DG / JD	13/03/2026
P04.01	STAGE 4 - 60% ISSUE	EA / DG / JD	29/01/2026
P03	STAGE 3 - 100% ISSUE REVISED	AJ / DR / JD	23/05/2025
P02	STAGE 3 - 100% ISSUE	AJ / DR / JD	25/04/2025
P02.01	STAGE 3 - 60% ISSUE	AJ / DR / JD	21/03/2025
P01	STAGE 2	OSV / KM / TC	29/11/2024

Drawing Development

This drawing has been developed from the following Design Information:

Architectural:
MIL09-L22-DC-XX-M3-A-00001.rvt
Received: 07/03/26
MIL09-L22-SW-XX-M3-A-00001
Received: 28/02/26

Structural:
MIL09-SPS-DC-XX-M3-S-00001.rvt
Received: 07/03/26

Civil:
MIL09-L22-SW-XX-M3-C-10001.rvt
Received: 07/03/26
MIL09-L22-SW-XX-M3-E-00001.rvt
Received: 07/03/26
MIL09-L22-SW-XX-M3-M-00001.rvt
Received: 07/03/26

MEP:
MIL09-BWE-DC-ZZ-M3-E-000001.rvt

Residual Risk Register

Item: No Residual Risk Identified.

In addition to the hazards / risks normally associated with the types of work detailed on this drawing note the following:

1. **CONSTRUCTION**
   Local Building Regulations shall be complied with in respect to inspection and commissioning
2. **MAINTENANCE / CLEANING**
   Health and **Safety** work place regulations shall be observed
3. **DECOMMISSIONING / DEMOLITION**
   WEEE and **ROHS** regulations shall be complied with
   N.B. It is assumed that all work will be carried out by a competent contractor working, where appropriate, to an approved method statement

Client
STACK INFRASTRUCTURE

Lead Consultant / MEP Designer
Office No. 1801
Marina Plaza
Dubai marina
PO Box 27793
Tel: +971 4 365 2228
www.bw-engineering.com

Designer / Architect / Civil
L22
L22 è una divisione di:
Lombardini22 S.p.A.
Via Lombardini 22
20143 Milano, Italia
T +39 02 36 59 62 00
F +39 02 83 20 13 97
info@l22.it
www.l22.it

Structural
SPS Studio Progetti Strutturali
Ing. Antonio Condello
Ing. Arturo Donadio
S.P.S. S.r.l.
www.spssrl-mi.it
Via M. Gioia, 64 - 20125 Milano, Italia
segreteria@spssrl-mi.it T. 02/6694887

Project Title
MIL09

Drawing Title
Critical Cooling Layout
Level 00
Overview

Project Status
STAGE 4

Discipline	Status Code
MECHANICAL	S5

Project Number	Scale @ A0	Revision
P10508	1:250	P04

Drawing Number
MIL09-BWE-DC-0G-DR-M-55201

Autodesk Docs://P10508_STA MIL09/MIL09-BWE-DC-ZZ-M3-M-00001.rvt 3/13/2026 3:51:13 PM © Black & White Engineering A0v_Frame_Rev 00